

ICS 209 (Oil Spill) - Incident Status Summary										Version Name: 20191223							
Incident Name: South 4 Group Fire										Period: Period 16 [12/19/2019 06:00 - 01/31/2020 06:00]							
Spill Status (Estimated)										Equipment Resources							
Source Status		Remaining potential		151,740		Kind		Ordered	Available	Assigned	Out-Of-Service	Total Count					
SECURED		Rate of spillage		0 barrel(s)		Air Monitor - MultiRAE		0	0	10	0	10					
		Volumes measured in		barrel(s)		Air Monitor - UltraRAE		0	0	0	0	0					
		Since Last Report		Total		Boom		0	1	2,000	0	2,001					
Total Volume Spilled		0		999		Fire Fighting Foam		0	1,590	0	0	1,590					
Mass Balance (Estimated)										Volumes in gallon(s)							
Recovered Material (Liquid)		15,000		76,500		Jon Boat		0	0	3	1	4					
Foam		0		1,320		Pumps		2	21	35	0	58					
Combusted Material (bbl)		0		48,970		Response Boat		0	0	2	0	2					
Waste (Estimated)										Skimmer			0	17	1	0	18
Type		Recovered	Stored	Disposed	UOM	Sorbent: Boom		0	50	8,350	0	8,400					
Sorbent: Boom		13,720			Feet	UTV		0	0	1	1	2					
Debris		1,253			Bags	Vacuum Truck		0	0	9	3	12					
Liquid		205,600			gallon (s)	Vehicle		4	17	108	1	130					
						Viscous Sweep		0	0	250	0	250					
Shoreline Impacts										Distances measured in mile(s)							
Degree of Oiling		Affected	Cleaned	Remaining to be Cleaned		Organization		People in the Field	People in Cmd. Post	Total People On Scene							
						Other		3	0	3							
Wildlife Impacts										Personnel Resources							
					Died In Facility		Federal		0	0	0						
Type	Captured	Cleaned	Released	DOA	Euth.	Other	State		1	0	1						
Fish Above 3"	0	0	0	68	0	0	Local		3	0	3						
Bird	0	0	0	0	0	0	RP		74	24	98						
Mammal	0	0	0	0	0	0	Contract Personnel		289	43	332						
Reptile	0	0	0	1	0	0	Totals		370	67	437						
2-3" Fish	0	0	0	2,000	0	0	Special Notes										
Blue Crab	0	0	0	18	0	0	Active Fires: 1										
Pig				2			Notes:										
Turtle				1			*Spilled material based on 98% destruction efficiency of the fire.										
Safety Status										Turtle DOA							
Type		Amount since last report		Total Amount		1 Security Issue											
Public Injury		0		0		Tank 33 Stabilization project complete at 1150Hrs 22Dec2019											
Responder Injury		1		5		1 dead pig gun shot wounds											
Community Air Readings for all analytes		0		95,000		ATV / UTV Safety Moment (Not wearing Seat Belts)											
BD - Community Air Detections above action level		0		240													
Community Air Monitoring readings for Butadiene				34,263													
VOC - Community Air Detections above action level		0		12													
ICS 209 (Oil Spill) - Incident Status Summary										Prepared By Planning Section, Updated 12/24/2019 00:46 UTC -6: PP							
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Version Name: 20191223

Incident Name: South 4 Group Fire

Period: Period 16 [12/19/2019 06:00 - 01/31/2020 06:00]

Safety Status	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
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45	46
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55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

Type	Amount since last report	Total Amount
Community Air Monitoring readings for VOC		42,523

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Daily Summary – TPC Port Neches South 4 Group Fire

12/23/2019

The waterway has now transitioned to Maintenance and Monitoring Mode

Shoreline Impacts	Assessed, miles	In Remediation, miles	Sign Off
No Oil Observed	4.96		4.96
Light Oil	1.05		1.05
SCAT Recommends No Further Treatment	2.58		2.58

- There were no CIR's on 12/23/2019.
- The US coast Guard visited the EOC to review the De-Inventory and Security Procedures, which they approved. They will return to the EOC every thirty days for an update.
- A Waste Inspection was conducted today, inspecting drums in the waste management units. All drums were in acceptable condition.
- Observations today revealed two small fires remain burning and identified three new leaks. (Please see below.)
- For more than seven days, there have been no readings above detection limits for butadiene or VOC within the ½-mile radius area in which community air monitoring is being performed 24/7.
- A FLIR camera survey was conducted yesterday, confirming the leak on Tank 219 near the vacuum breaker, a new leak on Tk 42 rv (marine raff 1), 2 leaks on a 6" line where tk 34 was and a new leak was discovered a few feet from the previous leak south of the process compressors (3 total in this area; all contained via water spray)
- 200 gpm of water continue to be sprayed on each of the two leaks in Block 10 that were discovered this week. A 3000 gpm water stream has been applied to the new leak found where the process compressors were. A total of 3400 gpm of water spray is being applied to these 3 areas to help reduce slightly elevated concentrations of butadiene within the work zone. We are monitoring the 201 outfall frequently to ensure no overflow of the weir.
- Work Zone recovery of PACM/ACM material continued.
- DEHA Injection was completed on the following tanks: 100, 101, 104, 85 and 109.
- The drone flew its routine observation runs. There new issues identified
- The Personnel Asbestos Decontamination Trailer and one of the two Asbestos Decon Pads were received today.
- CTEH will provide a comprehensive summary of all water analyses by 12/30/2019.
- Surveys identified three new leaks, which were added to the list. The following table provides a list of ongoing leaks have been identified on lines associated with the following:

Tank Number/Equipment Type	Material in Tank	Component Involved	Repaired
39	Raffinate	Flange on line east of sphere 39	
40	Raffinate	Tubing valve	12/14/2019
36	High Butane Raffinate	Flange on tank	
33	High Butane Raffinate	Tubing fitting. Leak under tank not accessible.	
35	High Butane Raffinate	Tubing leak	
90 & 91	High Purity Butadiene	Leak on common suction line, 092 that runs N to S	
26	Crude C4	Line leak, attempted repair with clamp	12/14/2019
30	Water and NMP Solvent	Tubing fitting	12/13/2019
219	MTBE	Vacuum Breaker, Intermittent	

Tank Number/Equipment Type	Material in Tank	Component Involved	Repaired
2" Flange SE corner of block 10	Assumed BD	Flange	
6" valve at block 5 on 3 rd street	Raff	Valve	12/17/2019
Tank 42 Relief Valve	Raff	Relief Valve	
2-Six-inch line leaks where Tank 34 was	Raffinate, High BD	Line Leak	
2-10" Lines- Process Overheads from S4d6 and S2d5- suspected to be on process compressor piping	High BD concentration, spraying with water. A few spikes of high voc in the immediate area of the leak in work zone	Assumed damaged piping- further review necessary to pinpoint during daylight hours	

- The Outfall Canal remains in Monitoring and Maintenance mode. Water was approximately 1"- 1' below the Outfall 201 weir early in the shift however with the addition of the additional water spray, the weir started overflowing slightly at 0015. Working on balancing water flow to prevent overflow of weir.

Upcoming Activities

- The new Plant Alarm System was tested today for the initial tests. The routine testing will begin on Christmas at 1200, and each Wednesday thereafter.
- Monitoring of the schools has been suspended during Holiday Break, but the area will continue to be monitored as part of the 1/2 -mile radius Air Monitoring Plan.
- The Potential Asbestos Containing Material (PACM) Cleanup Team continues collecting material found on the ground, per the approved plan. They will continue the work but will not remediate the area or disturb the evidence. The teams will start at the north end of the site, collecting the material in a planned manner until the whole site has been completed.
- The traffic pattern on Hwy. 366 remains the same. TXDOT is working to complete the traffic flow.
- The Technical Teams continue to work on the plans that are being developed.

Health and Safety

- No issues.

Water Effluent

- Status of 201: No flow from Outfall 201. The water level varied between 1 inch to 1 foot below the weir level.
- GPM to JWWTP: No flow to JWWTP today. We anticipate we will need to discharge to JWWTP shortly to accommodate the increased flow to on the Leaks.

Water Testing: Analytical summaries will be provided each Monday

- As of December 21, 2019, a total of 222 surface water samples have been collected at 21 different locations for VOCs, SVOCs, PAH, PFAS, TPH, TOC, oil and grease, ethylene glycol, and asbestos analysis. Results of these analyses are not representative of drinking water sources.
- As of December 21, 2019, 197 surface water sample results have been received for VOC analysis and 131 results received for asbestos analysis.

- There have been no exceedances of TCEQ Contact Recreation Water Protective Concentration Limit (PCL) screening levels for the surface water samples with available PCLs. Where no PCLs are available, results are being compared to background surface water samples.

Wildlife Report

- There were no Wildlife reports on 12/23/2019

Recovery Operations

- Routine monitoring.

SCAT Report

- Maintenance and Monitoring Plan is in effect.

Waste

Classification has been initiated for ultimate waste disposal. TPC has received approval to begin to dispose of the material collected outside of the site, including the material in the frac tanks.

Gallons	Frac Tanks (20,000 gallons capacity)	# Of Tanks Used
177,500	Liquids from outfall canal skimming	9
10,000	Water and hydrocarbons from south separator	.5
30,000	Latex-laden Wastewater from LION	1.5
15,000	Hydrocarbons from API Separator	0.75
250	Wash Water from decon at Vallen Trailer	0.1
10,000	Liquids from Second Street Ditch	0.5
	Empty Available and Staged	5
235,250	Totals	19

CYD's	Roll Off Boxes (25 CYD's capacity)	# Of Boxes Used
225	Hydrocarbon Debris and Sorbents from Canal	11
225	Totals	11

Empty available and staged (requested 4 more) 2

CYD's	Potential Asbestos Containing Material (PACM)	# Of Boxes Used
12.5	Material from 201 outfall and south separator	0.5
30	Motiva (1-full, 1-in use)	2
6.25	Joint Waste Water	1
48.75	Totals	4

	Other	
	Routine Plant Trash (Garbage)	1
	Dirty Containment Boom waiting on decon	0

Worksite Air Monitoring

On 12/23/2019, there were no detections of 1,3-Butadiene or VOCs above the site-specific

action levels approved by UC. There were no detections of benzene, %LEL, or styrene were observed within the work area during this reporting period.

Community Air Monitoring

Please note: Air monitoring samples will continue to be collected, but analytical results will be reported once per week on Monday.

The air and asbestos data were updated 12/23.

Asbestos Monitoring

Community

- Wipe samples: Zero of the 200 samples collected have been positive for asbestos
- Bulk Sampling: 95 of 244 samples tested positive for asbestos

Air Monitoring Sampling Results

Community

The analytical information below represents data as of 12/21/2019, as provided on 12/23

Analytical	Detections	Samples Collected	Sample Stations
Volatile Organic Compounds (VOC)*	2*	503	54
Poly Aromatic Hydrocarbons (PAH)	None Detected	476	28
Asbestos	1**	891	44

2* There were detectable amounts of VOC, but two were above the Texas Commission on Environmental Quality (TCEQ) 24-hour AMCV (430 ppb), however below the TCEQ short-term AMCV (1,700 ppb).

** The analysis has not been verified by second-level evaluation

Community Assessments

Refer to following pages.

Community Property Assessment Summary

251

101

204

Count of Industrial Debris Claims
SampledCount of Properties with Observed
DamageCount of Properties with Observed
Debris

Community Property Assessment Summary - Jefferson

223

95

177

Count of Industrial Debris Claims
SampledCount of Properties with Observed
DamageCount of Properties with Observed
Debris

Community Property Assessment Summary - Orange

28

6

27

Count of Industrial Debris Claims
SampledCount of Properties with Observed
DamageCount of Properties with Observed
Debris

Completed Property Assessments Property Type Sum

Type	# of Properties
Commercial/Business	2
Multi-family Residence	3
Single Family Home	246
	251